

# **Sexually Transmitted Disease in Wisconsin 2003**



***Wisconsin STD Program***

## Technical notes

1. These reports are compiled by the Wisconsin STD Program and are based on STD case surveillance data collected by the Wisconsin Division of Public Health (DPH). In Wisconsin, state statutes require health care providers to report cases of chlamydia, gonorrhea, syphilis, primary genital Herpes simplex virus (HSV) infection, chancroid, and pelvic inflammatory disease to local health departments. Local health departments in turn forward reports to the DPH.
2. In this analysis the term "all STDs" refers specifically to reported cases of chlamydia, gonorrhea, syphilis, and primary genital Herpes simplex virus (HSV) infection. Unless otherwise specified, syphilis cases shown in these reports include all stages of disease.
3. These reports include cases diagnosed within the specified period. Additional cases diagnosed within the specified period may continue to be reported. Thus, this report should be considered provisional, and this report supercedes all previous reports.
4. Reporting of STDs cases is incomplete. Reporting rates may vary by disease, geographic region, and demographic groups. At any time, reported STD cases represent only part of the total number of diagnosed cases, therefore STD surveillance data likely underestimate total STD morbidity.
5. In these reports, rates presented are cases per 100,000 population. Rates are not calculated for categories with small numbers of cases. See each report for the rate calculation threshold.
6. Typically a significant number of STD cases are reported with unspecified race. When noted, imputed race-specific rates have been calculated. To calculate the imputed rate, reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates and should be used only for comparison.
7. In these reports, cases are allocated to the county of residence at the time of diagnosis. Cases diagnosed among inmates of correctional facilities are allocated to the county of the facility.

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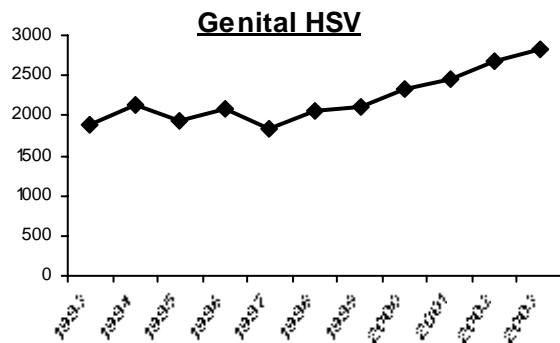
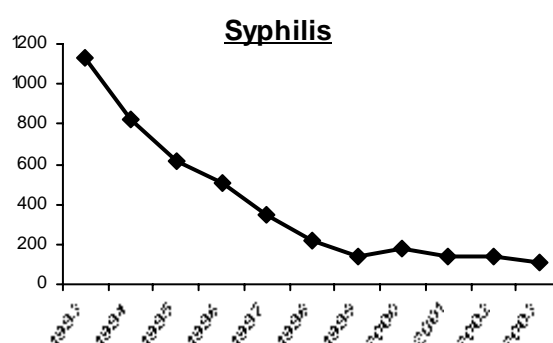
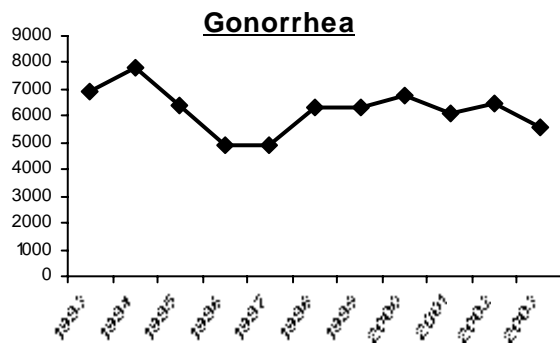
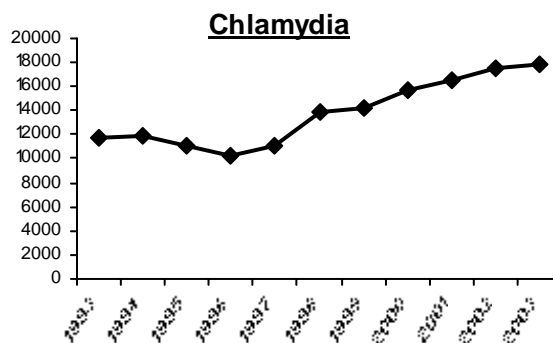
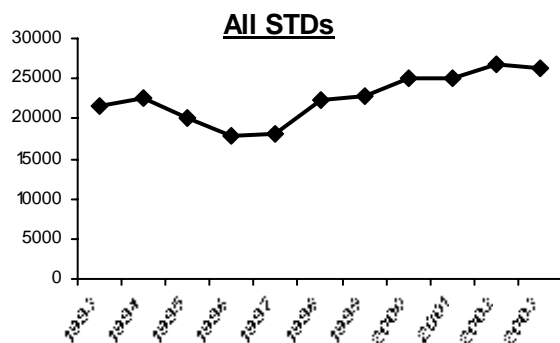
**Table 1. Reported cases of sexually transmitted disease**  
**Cases reported in Wisconsin\***  
**Year: 2003**

	<u>All STDs</u>		<u>Chlamydia</u>		<u>Gonorrhea</u>		<u>Syphilis</u>		<u>Genital HSV</u>	
	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent	Cases	Percent
<b>Total</b>	26318	100.0%	17780	100.0%	5602	100.0%	111	100.0%	2825	100.0%
<b>Sex</b>										
Male	7863	29.9%	4943	27.8%	2313	41.3%	81	73.0%	526	18.6%
Female	18354	69.7%	12773	71.8%	3271	58.4%	29	26.1%	2281	80.7%
Unknown	101	0.4%	64	0.4%	18	0.3%	1	0.9%	18	0.6%
<b>Race</b>										
White	8041	30.6%	5848	32.9%	927	16.5%	48	43.2%	1218	43.1%
Black	8565	32.5%	5493	30.9%	2754	49.2%	48	43.2%	270	9.6%
Am. Indian	317	1.2%	256	1.4%	34	0.6%	3	2.7%	24	0.8%
Asian/Pacific Is.	294	1.1%	255	1.4%	29	0.5%	2	1.8%	8	0.3%
Other	449	1.7%	348	2.0%	58	1.0%	5	4.5%	38	1.3%
Unknown	8652	32.9%	5580	31.4%	1800	32.1%	5	4.5%	1267	44.8%
<b>Hispanic ethnicity</b>										
Hispanic	1032	3.9%	837	4.7%	112	2.0%	20	18.0%	63	2.2%
Non Hispanic	15090	57.3%	10402	58.5%	3297	58.9%	85	76.6%	1306	46.2%
Unknown	10196	38.7%	6541	36.8%	2193	39.1%	6	5.4%	1456	51.5%
<b>Age group</b>										
0-4	23	0.1%	10	0.1%	5	0.1%	0	0.0%	8	0.3%
5-9	9	0.0%	4	0.0%	2	0.0%	1	0.9%	2	0.1%
10-14	447	1.7%	334	1.9%	94	1.7%	1	0.9%	18	0.6%
15-19	8848	33.6%	6496	36.5%	1897	33.9%	6	5.4%	449	15.9%
20-24	9258	35.2%	6702	37.7%	1806	32.2%	11	9.9%	739	26.2%
25-29	3824	14.5%	2548	14.3%	790	14.1%	13	11.7%	473	16.7%
30-34	1708	6.5%	998	5.6%	393	7.0%	9	8.1%	308	10.9%
35-39	926	3.5%	366	2.1%	275	4.9%	23	20.7%	262	9.3%
40-44	556	2.1%	182	1.0%	163	2.9%	15	13.5%	196	6.9%
45-49	323	1.2%	73	0.4%	97	1.7%	13	11.7%	140	5.0%
50+	386	1.5%	60	0.3%	79	1.4%	19	17.1%	228	8.1%
Unknown	10	0.0%	7	0.0%	1	0.0%	0	0.0%	2	0.1%
<b>Region of residence</b>										
Northeastern	3154	12.0%	2137	12.0%	379	6.8%	11	9.9%	627	22.2%
Northern	1061	4.0%	728	4.1%	113	2.0%	1	0.9%	219	7.8%
Southeastern	16458	62.5%	10783	60.6%	4240	75.7%	84	75.7%	1351	47.8%
Southern	3752	14.3%	2718	15.3%	718	12.8%	11	9.9%	305	10.8%
Western	1822	6.9%	1369	7.7%	135	2.4%	2	1.8%	316	11.2%
Unknown*	71	0.3%	45	0.3%	17	0.3%	2	1.8%	7	0.2%

\* Includes 64 cases reported among residents of other states, and 4 Wisconsin cases reported without a county specified.

**Table 2. Reported cases of sexually transmitted disease by year**  
**Cases reported in Wisconsin**

Year	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
1993	21,634	11,720	6,892	1,134	1,888
1994	22,604	11,838	7,806	824	2,136
1995	19,986	11,052	6,371	617	1,946
1996	17,762	10,266	4,911	505	2,080
1997	18,173	11,063	4,917	351	1,842
1998	22,422	13,841	6,319	216	2,046
1999	22,861	14,257	6,355	138	2,111
2000	24,962	15,725	6,735	181	2,321
2001	25,133	16,476	6,070	137	2,450
2002	26,759	17,441	6,499	135	2,684
2003	26,318	17,780	5,602	111	2,825
<b>Total</b>	<b>248,614</b>	<b>151,459</b>	<b>68,477</b>	<b>4,349</b>	<b>24,329</b>



**Table 3. Reported cases of sexually transmitted disease by DHFS region and county**

*Cases reported in Wisconsin\**

**Year: 2003**

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
<b>Northeastern Region</b>	<b>3154</b>	<b>12.0%</b>	<b>265</b>	<b>2137</b>	<b>12.0%</b>	<b>179</b>	<b>379</b>	<b>6.8%</b>	<b>32</b>	<b>11</b>	<b>10.1%</b>	<b>1</b>	<b>627</b>	<b>22.2%</b>	<b>53</b>
Brown	974	3.7%	414	661	3.7%	281	180	3.2%	76	6	5.5%	3	127	4.5%	54
Calumet	40	0.2%	91	21	0.1%	48	6	0.1%	14	0	0.0%	**	13	0.5%	30
Door	35	0.1%	122	23	0.1%	80	3	0.1%	**	0	0.0%	**	9	0.3%	31
Fond Du Lac	238	0.9%	241	162	0.9%	164	25	0.4%	25	1	0.9%	**	50	1.8%	51
Green Lake	29	0.1%	151	23	0.1%	119	1	0.0%	**	0	0.0%	**	5	0.2%	26
Kewaunee	22	0.1%	107	17	0.1%	82	2	0.0%	**	0	0.0%	**	3	0.1%	**
Manitowoc	167	0.6%	200	128	0.7%	153	4	0.1%	**	0	0.0%	**	35	1.2%	42
Marinette	57	0.2%	130	44	0.2%	100	2	0.0%	**	0	0.0%	**	11	0.4%	25
Marquette	18	0.1%	121	12	0.1%	80	2	0.0%	**	2	1.8%	**	2	0.1%	**
Menominee	71	0.3%	1,541	61	0.3%	1,324	6	0.1%	130	0	0.0%	**	4	0.1%	**
Oconto	66	0.3%	177	49	0.3%	131	4	0.1%	**	0	0.0%	**	13	0.5%	35
Outagamie	443	1.7%	264	294	1.7%	175	50	0.9%	30	2	1.8%	**	97	3.4%	58
Shawano	84	0.3%	202	69	0.4%	166	8	0.1%	19	0	0.0%	**	7	0.2%	17
Sheboygan	293	1.1%	256	215	1.2%	188	24	0.4%	21	0	0.0%	**	54	1.9%	47
Waupaca	61	0.2%	115	46	0.3%	87	7	0.1%	13	0	0.0%	**	8	0.3%	15
Waushara	33	0.1%	135	23	0.1%	94	2	0.0%	**	0	0.0%	**	8	0.3%	33
Winnebago	523	2.0%	327	289	1.6%	180	53	0.9%	33	0	0.0%	**	181	6.4%	113
<b>Northern Region</b>	<b>1061</b>	<b>4.0%</b>	<b>217</b>	<b>728</b>	<b>4.1%</b>	<b>149</b>	<b>113</b>	<b>2.0%</b>	<b>23</b>	<b>1</b>	<b>0.9%</b>	<b>**</b>	<b>219</b>	<b>7.8%</b>	<b>45</b>
Ashland	23	0.1%	137	17	0.1%	101	4	0.1%	**	0	0.0%	**	2	0.1%	**
Bayfield	13	0.0%	85	11	0.1%	72	1	0.0%	**	0	0.0%	**	1	0.0%	**
Florence	2	0.0%	**	2	0.0%	**	0	0.0%	**	0	0.0%	**	0	0.0%	**
Forest	31	0.1%	307	24	0.1%	238	4	0.1%	**	0	0.0%	**	3	0.1%	**
Iron	5	0.0%	73	2	0.0%	**	0	0.0%	**	0	0.0%	**	3	0.1%	**
Langlade	61	0.2%	290	43	0.2%	204	8	0.1%	38	0	0.0%	**	10	0.4%	48
Lincoln	91	0.3%	302	69	0.4%	229	11	0.2%	37	0	0.0%	**	11	0.4%	37
Marathon	374	1.4%	291	262	1.5%	204	52	0.9%	40	0	0.0%	**	60	2.1%	47
Oneida	50	0.2%	134	30	0.2%	80	3	0.1%	**	0	0.0%	**	17	0.6%	45
Portage	161	0.6%	236	106	0.6%	155	9	0.2%	13	1	0.9%	**	45	1.6%	66
Price	21	0.1%	133	10	0.1%	64	4	0.1%	**	0	0.0%	**	7	0.2%	44

Region/County	All STDs			Chlamydia			Gonorrhea			Syphilis			Genital HSV		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Sawyer	36	0.1%	214	27	0.2%	160	0	0.0%	**	0	0.0%	**	9	0.3%	53
Taylor	7	0.0%	36	6	0.0%	30	0	0.0%	**	0	0.0%	**	1	0.0%	**
Vilas	31	0.1%	142	23	0.1%	105	2	0.0%	**	0	0.0%	**	6	0.2%	27
Wood	155	0.6%	204	96	0.5%	127	15	0.3%	20	0	0.0%	**	44	1.6%	58
<b>Southeastern Region</b>	<b>16458</b>	<b>62.7%</b>	<b>807</b>	<b>10783</b>	<b>60.8%</b>	<b>529</b>	<b>4240</b>	<b>75.9%</b>	<b>208</b>	<b>84</b>	<b>77.1%</b>	<b>4</b>	<b>1351</b>	<b>47.9%</b>	<b>66</b>
Jefferson	160	0.6%	206	124	0.7%	159	14	0.3%	18	0	0.0%	**	22	0.8%	28
Kenosha	645	2.5%	415	460	2.6%	296	100	1.8%	64	3	2.8%	**	82	2.9%	53
Milwaukee	13564	51.7%	1,446	8795	49.6%	938	3854	69.0%	411	69	63.3%	7	846	30.0%	90
Ozaukee	89	0.3%	105	46	0.3%	54	11	0.2%	13	1	0.9%	**	31	1.1%	37
Racine	1069	4.1%	558	774	4.4%	404	173	3.1%	90	6	5.5%	3	116	4.1%	60
Walworth	212	0.8%	220	152	0.9%	158	10	0.2%	10	1	0.9%	**	49	1.7%	51
Washington	226	0.9%	185	125	0.7%	102	39	0.7%	32	0	0.0%	**	62	2.2%	51
Waukesha	493	1.9%	132	307	1.7%	82	39	0.7%	10	4	3.7%	**	143	5.1%	38
<b>Southern Region</b>	<b>3752</b>	<b>14.3%</b>	<b>362</b>	<b>2718</b>	<b>15.3%</b>	<b>262</b>	<b>718</b>	<b>12.9%</b>	<b>69</b>	<b>11</b>	<b>10.1%</b>	<b>1</b>	<b>305</b>	<b>10.8%</b>	<b>29</b>
Adams	31	0.1%	151	21	0.1%	102	1	0.0%	**	0	0.0%	**	9	0.3%	44
Columbia	97	0.4%	179	71	0.4%	131	11	0.2%	20	0	0.0%	**	15	0.5%	28
Crawford	41	0.2%	237	34	0.2%	197	2	0.0%	**	0	0.0%	**	5	0.2%	29
Dane	1922	7.3%	429	1358	7.7%	303	463	8.3%	103	8	7.3%	2	93	3.3%	21
Dodge	431	1.6%	492	367	2.1%	419	36	0.6%	41	0	0.0%	**	28	1.0%	32
Grant	85	0.3%	170	74	0.4%	148	2	0.0%	**	0	0.0%	**	9	0.3%	18
Green	69	0.3%	199	42	0.2%	121	11	0.2%	32	0	0.0%	**	16	0.6%	46
Iowa	41	0.2%	175	36	0.2%	154	3	0.1%	**	1	0.9%	**	1	0.0%	**
Juneau	71	0.3%	281	55	0.3%	218	5	0.1%	20	0	0.0%	**	11	0.4%	44
Lafayette	19	0.1%	117	14	0.1%	86	4	0.1%	**	0	0.0%	**	1	0.0%	**
Richland	34	0.1%	188	27	0.2%	149	0	0.0%	**	0	0.0%	**	7	0.2%	39
Rock	730	2.8%	471	493	2.8%	318	160	2.9%	103	2	1.8%	**	75	2.7%	48
Sauk	134	0.5%	233	95	0.5%	165	15	0.3%	26	0	0.0%	**	24	0.9%	42
Vernon	47	0.2%	164	31	0.2%	108	5	0.1%	17	0	0.0%	**	11	0.4%	38
<b>Western Region</b>	<b>1822</b>	<b>6.9%</b>	<b>246</b>	<b>1369</b>	<b>7.7%</b>	<b>185</b>	<b>135</b>	<b>2.4%</b>	<b>18</b>	<b>2</b>	<b>1.8%</b>	<b>**</b>	<b>316</b>	<b>11.2%</b>	<b>43</b>
Barron	102	0.4%	222	84	0.5%	183	4	0.1%	**	0	0.0%	**	14	0.5%	30
Buffalo	11	0.0%	79	11	0.1%	79	0	0.0%	**	0	0.0%	**	0	0.0%	**
Burnett	20	0.1%	123	19	0.1%	117	0	0.0%	**	0	0.0%	**	1	0.0%	**
Chippewa	118	0.4%	204	82	0.5%	142	18	0.3%	31	0	0.0%	**	18	0.6%	31
Clark	45	0.2%	132	32	0.2%	94	2	0.0%	**	0	0.0%	**	11	0.4%	32
Douglas	134	0.5%	306	113	0.6%	258	12	0.2%	27	0	0.0%	**	9	0.3%	21

Wisconsin STD Program data

Region/County	<u>All STDs</u>			<u>Chlamydia</u>			<u>Gonorrhea</u>			<u>Syphilis</u>			<u>Genital HSV</u>		
	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**	Cases	Percent	Rate**
Dunn	114	0.4%	275	79	0.4%	191	5	0.1%	12	1	0.9%	**	29	1.0%	70
Eau Claire	402	1.5%	421	263	1.5%	276	45	0.8%	47	0	0.0%	**	94	3.3%	98
Jackson	34	0.1%	174	24	0.1%	123	2	0.0%	**	0	0.0%	**	8	0.3%	41
La Crosse	413	1.6%	379	326	1.8%	299	16	0.3%	15	0	0.0%	**	71	2.5%	65
Monroe	101	0.4%	240	83	0.5%	197	5	0.1%	12	1	0.9%	**	12	0.4%	28
Pepin	3	0.0%	**	2	0.0%	**	0	0.0%	**	0	0.0%	**	1	0.0%	**
Pierce	47	0.2%	123	37	0.2%	97	5	0.1%	13	0	0.0%	**	5	0.2%	13
Polk	84	0.3%	193	72	0.4%	166	4	0.1%	**	0	0.0%	**	8	0.3%	18
Rusk	10	0.0%	65	5	0.0%	33	1	0.0%	**	0	0.0%	**	4	0.1%	**
St Croix	107	0.4%	150	75	0.4%	105	11	0.2%	15	0	0.0%	**	21	0.7%	29
Trempealeau	54	0.2%	196	43	0.2%	156	4	0.1%	**	0	0.0%	**	7	0.2%	25
Washburn	23	0.1%	139	19	0.1%	115	1	0.0%	**	0	0.0%	**	3	0.1%	**
<b>Total</b>	<b>26247</b>	<b>100.0%</b>	<b>477</b>	<b>17735</b>	<b>100.0%</b>	<b>323</b>	<b>5585</b>	<b>100.0%</b>	<b>102</b>	<b>109</b>	<b>100.0%</b>	<b>2</b>	<b>2818</b>	<b>100.0%</b>	<b>51</b>

\* Excludes 64 cases reported among residents of other states, and 4 Wisconsin cases reported without a county specified.

\*\* Cases per 100,000 population. Rate not calculated for categories with less than 5 cases.

**Table 4. Reported cases of sexually transmitted disease by age and disease**  
**Cases reported in Wisconsin**  
**Year: 2003**

All STDs			Chlamydia			Gonorrhea		
Age	Cases	Rate*	Age	Cases	Rate*	Age	Cases	Rate*
0-4	23	6	0-4	10	2	0-4	5	1
5-9	9	2	5-9	4	**	5-9	2	**
10-14	447	112	10-14	334	83	10-14	94	23
15-19	8,848	2161	15-19	6,496	1586	15-19	1,897	463
20-24	9,258	2289	20-24	6,702	1657	20-24	1,806	446
25-29	3,824	1139	25-29	2,548	759	25-29	790	235
30-34	1,708	482	30-34	998	281	30-34	393	111
35-39	926	231	35-39	366	91	35-39	275	68
40-44	556	122	40-44	182	40	40-44	163	36
45-49	323	74	45-49	73	16	45-49	97	22
50+	396	24	50+	67	4	50+	80	4
Total	26,318	478	Total	17,780	323	Total	5,602	101

Syphilis			Genital HSV		
Age	Cases	Rate*	Age	Cases	Rate*
0-4	0	**	0-4	8	2
5-9	1	**	5-9	2	**
10-14	1	**	10-14	18	4
15-19	6	1	15-19	449	109
20-24	11	2	20-24	739	182
25-29	13	3	25-29	473	140
30-34	9	2	30-34	308	87
35-39	23	5	35-39	262	65
40-44	15	3	40-44	196	43
45-49	13	3	45-49	140	32
50+	19	1	50+	230	14
Total	111	2	Total	2,825	51

\* Cases per 100,00 population

\*\* Rate not calculated for categories with less than 5 cases.



**Table 5. Reported sexually transmitted disease, reported rates\* and imputed rates\*\* by race**  
**Cases reported in Wisconsin**

**Year: 2003**

	Cases per 100,000 population***				
	All STDs	Chlamydia	Gonorrhea	Syphilis	Genital HSV
	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed	Reported - Imputed
White	161 - 214	117 - 149	18 - 23	0 - 1	24 - 40
Black	2509 - 4112	1609 - 2668	806 - 1243	14 - 13	79 - 186
Am. Indian	574 - 712	463 - 565	61 - 77	** - **	43 - 63
Asian/Pacific Is.	256 - 341	222 - 290	25 - 34	** - **	6 - 15

\* The reported rate is the number reported cases with specified race per 100,000 population. Because some cases are reported with unspecified race, the reported rate under-estimates actual morbidity and thus should be regarded as a minimum estimate.

\*\* The imputed rate takes into consideration cases reported without race specified. To calculate the imputed rate reported cases with unspecified race were statistically allocated using the county-specific race distribution among cases with specified race. Thus, imputed rates specified in this table are estimates.

\*\*\* Rate not calculated for categories with less than 5 cases.